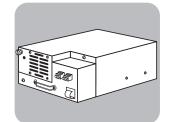
hp StorageWorks ESL E-Series Ultrium 460-FC Drive Replacement



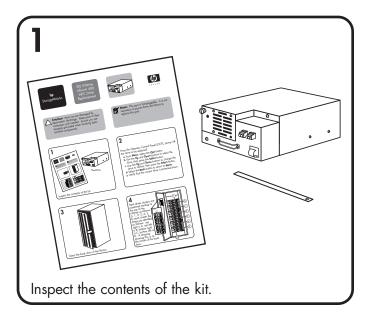




Caution: Parts can be damaged by electrostatic discharge. Keep parts in their containers until needed. Ensure you are properly grounded when touching static-sensitive components.



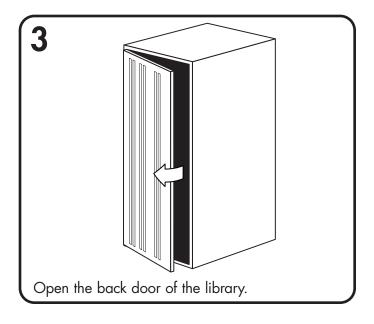
Note: This part is hot-swappable. It is not necessary to power down the library to replace this part.

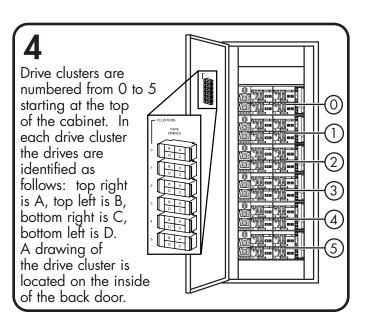


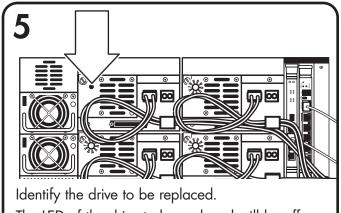
2

From the Operator Control Panel (OCP), power off the drive to be replaced.

- a. From Menu, select the Ops button.
- **b.** Use the **Up** and **Down** buttons to select the drive, then press the **Select** button.
- c. Use the Up and Down buttons to change the drive to off-line, then press the Select button.
- d. Select the Back button to return to Menu.
- e. Verify that the correct drive is powered down.



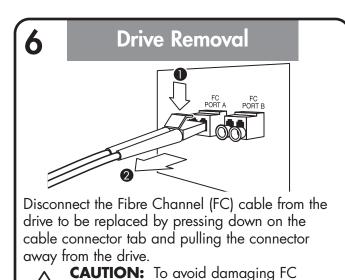




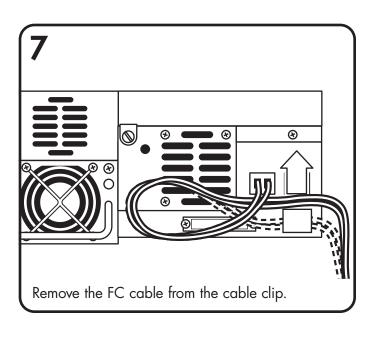
The LED of the drive to be replaced will be off.

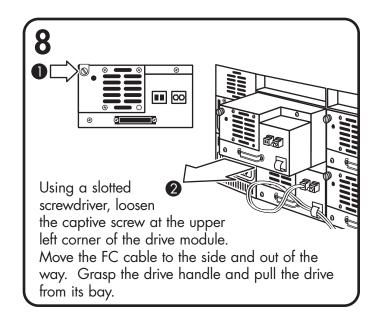
 \bigwedge

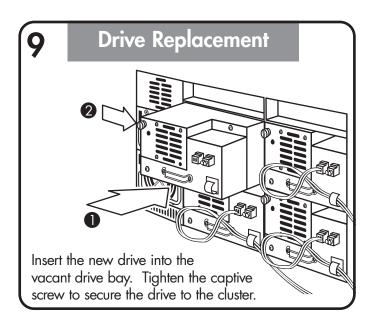
CAUTION: To avoid damaging the drive, do not remove it if the LED is still lit. See step 2 to power off the drive.

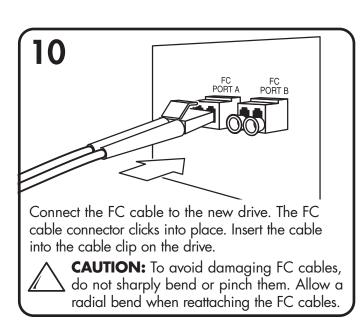


cables, do not sharply bend or pinch them.











Note: If needed, the tie wrap provided with this kit can be used to help keep the FC cables clear of the drive cluster below by attaching the cables to the drive handle.

11

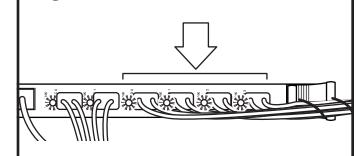
Power on the drive by completing the following steps from the OCP for the new drive.

- a. From Menu, select the Ops button.
- **b.** Use the **Up** and **Down** buttons to select the drive, then press the **Select** button.
- **c.** Use the **Up** and **Down** buttons to change the drive to on-line, then press the **Select** button.
- d. Select the Back button to return to Menu.

12

Use the Command View ESL user interface to reboot the interface controller card. Refer to the HP StorageWorks Interface Manager and Command View ESL User Guide for detailed procedures.

13

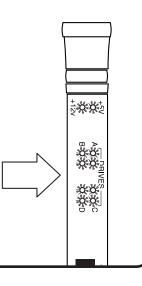


Verify that the FC port LED on the FC interface controller card is green.

14

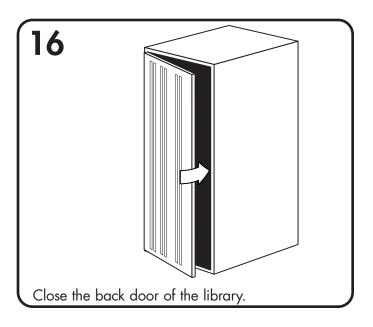
The LED for the replaced drive and its associated cluster controller card LED

should be green.



15

Make sure that Command View ESL recognizes the replaced drive using the Command View ESL console. Refer to the HP StorageWorks Interface Manager and Command View ESL User Guide for detailed procedures.



7 Firmware Upgrade

If necessary, upgrade the drive firmware using the Interface Manager's command-line interface. Refer to the HP StorageWorks Interface Manager and Command View ESL User Guide for detailed procedures on upgrading drive firmware.

Getting help

- HP product information: http://www.hp.com/products/tapestorage
- HP technical support and phone numbers: http://www.hp.com/support
- HP StorageWorks Library and Tape Tools (L&TT) diagnostic software:
 http://www.hp.com/support/tapetools
- Interface Manager and HP StorageWorks Command View ESL: http://www.hp.com/support/cvesl

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